

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031323\
 Data File : VN076969.D
 Acq On : 13 Mar 2023 18:09
 Operator : JC\MD
 Sample : 01880-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE105D1-20230309

Quant Time: Mar 14 07:05:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031023W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 10 13:47:39 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

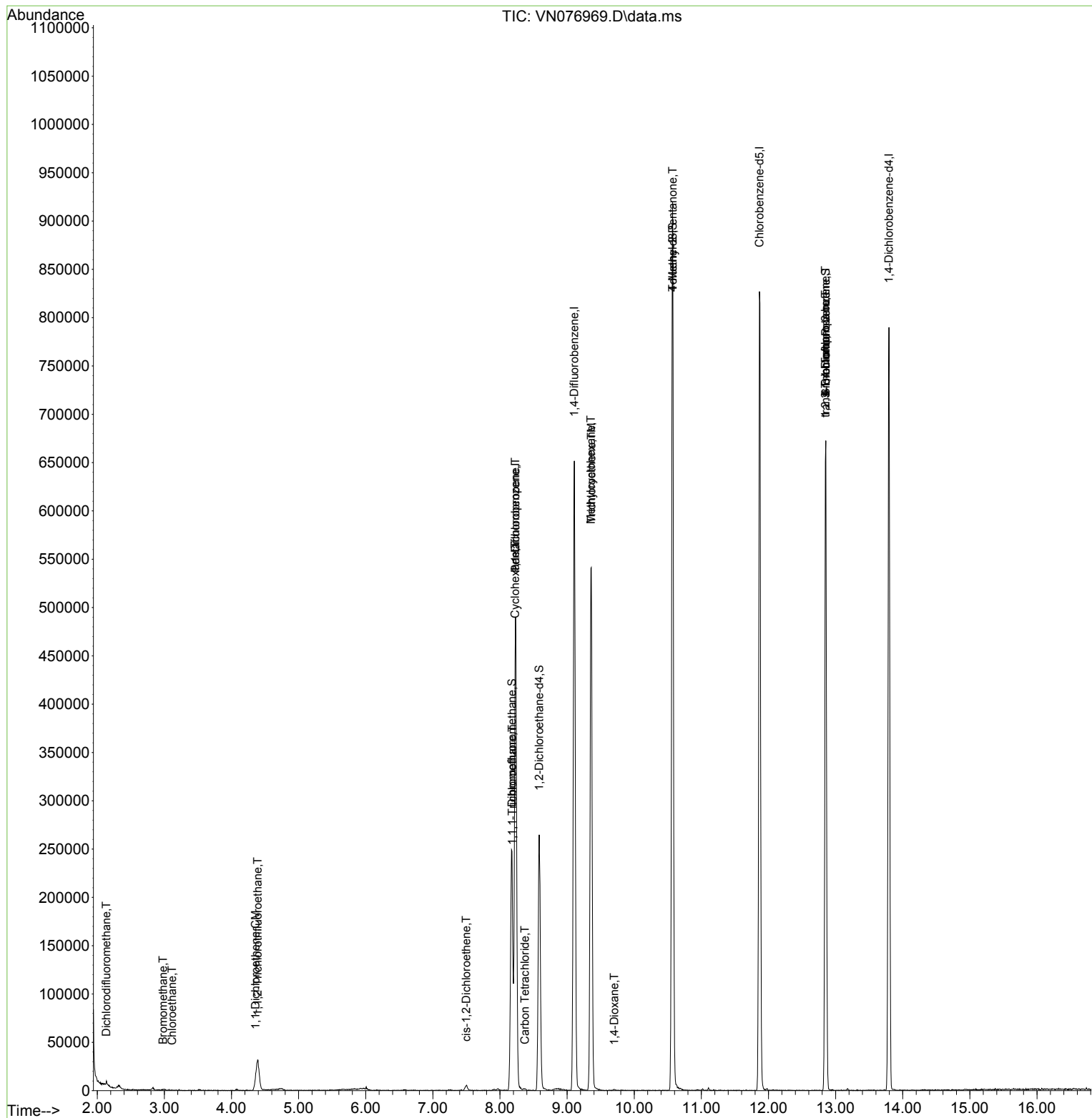
Internal Standards						
1) Pentafluorobenzene	8.230	168	341124	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	544821	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	484085	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	211545	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	244896	48.108	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.220%		
35) Dibromofluoromethane	8.178	113	170828	47.046	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.100%		
50) Toluene-d8	10.572	98	643635	48.096	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.200%		
62) 4-Bromofluorobenzene	12.854	95	240136	49.060	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.120%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.137	85	2289	0.373	ug/l #	49
5) Bromomethane	2.978	94	667	0.294	ug/l #	55
6) Chloroethane	3.113	64	546	0.279	ug/l #	42
9) 1,1,2-Trichlorotrifluo...	4.390	101	20415	4.990	ug/l	98
12) 1,1-Dichloroethene	4.360	96	2774	0.736	ug/l	96
27) cis-1,2-Dichloroethene	7.495	96	3552	0.770	ug/l	97
31) Cyclohexane	8.225	56	7965	1.091	ug/l #	34
32) 1,1,1-Trichloroethane	8.183	97	4030	0.523	ug/l #	51
36) 1,1-Dichloropropene	8.230	75	27937	4.975	ug/l #	49
38) Carbon Tetrachloride	8.372	117	1330	0.202	ug/l #	85
39) Methylcyclohexane	9.354	83	2635	0.387	ug/l #	1
44) Trichloroethene	9.360	130	195474	45.693	ug/l	99
49) 1,4-Dioxane	9.701	88	1003	13.637	ug/l #	81
51) 4-Methyl-2-Pentanone	10.572	43	2644	0.555	ug/l #	1
71) Bromoform	12.854	173	1240	0.405	ug/l #	1
76) 1,2,3-Trichloropropane	12.848	75	136919	26.696	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.848	75	136919	87.203	ug/l #	15

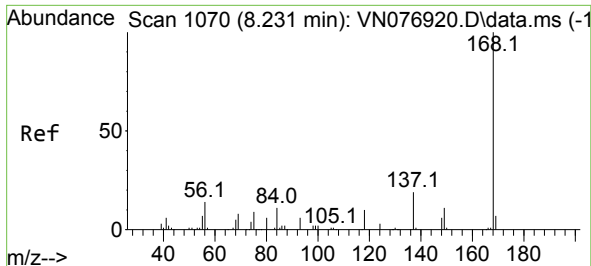
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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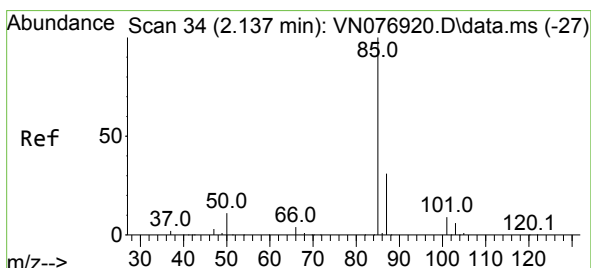
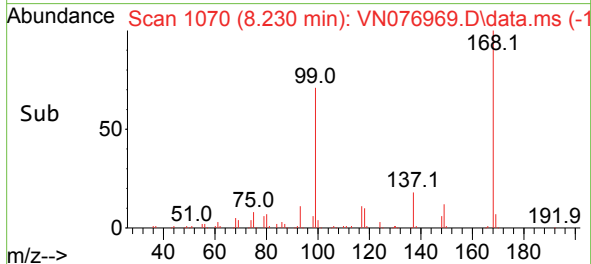
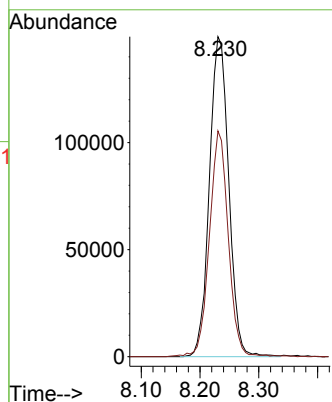
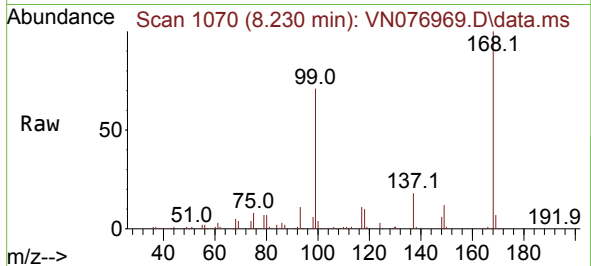




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN076969.D
Acq: 13 Mar 2023 18:09

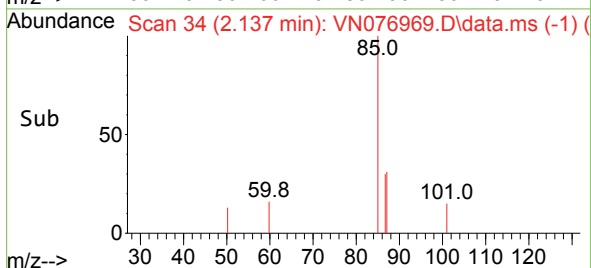
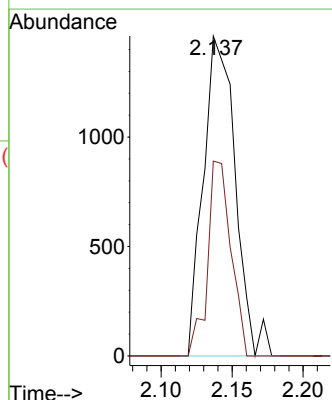
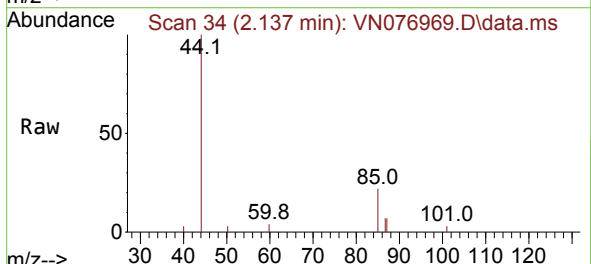
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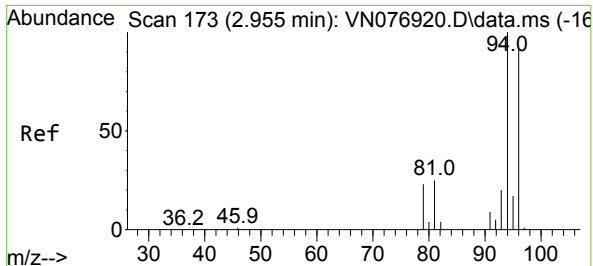
Tgt Ion:168 Resp: 341124
Ion Ratio Lower Upper
168 100
99 70.3 48.6 73.0



#2
Dichlorodifluoromethane
Concen: 0.373 ug/l
RT: 2.137 min Scan# 34
Delta R.T. -0.000 min
Lab File: VN076969.D
Acq: 13 Mar 2023 18:09

Tgt Ion: 85 Resp: 2289
Ion Ratio Lower Upper
85 100
87 60.9 16.2 48.6#

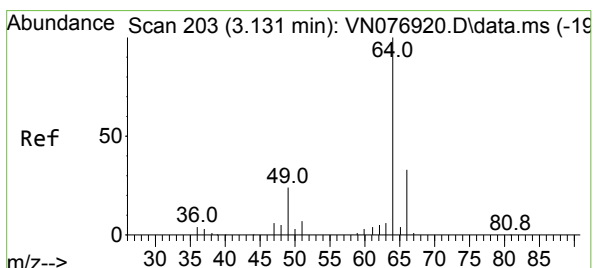
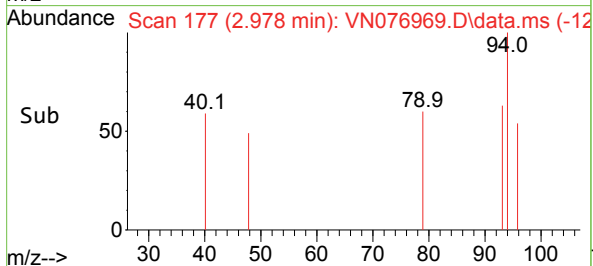
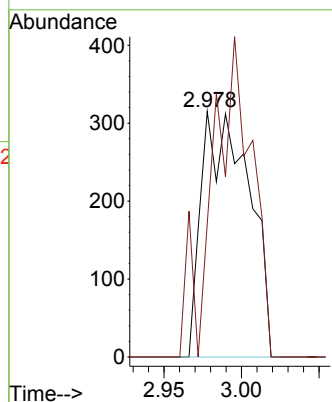
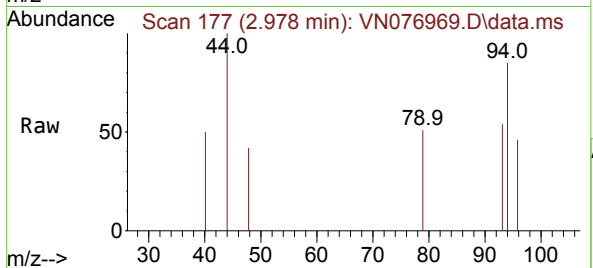




#5
Bromomethane
Concen: 0.294 ug/l
RT: 2.978 min Scan# 11
Delta R.T. 0.023 min
Lab File: VN076969.D
Acq: 13 Mar 2023 18:09

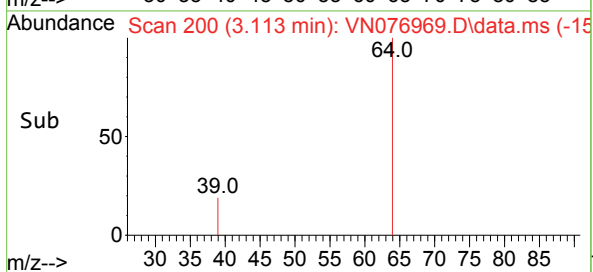
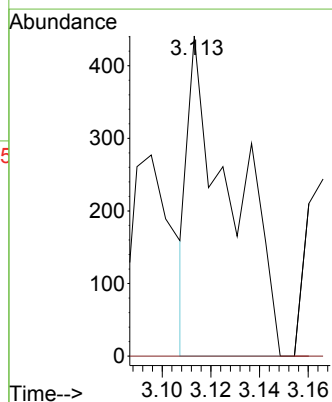
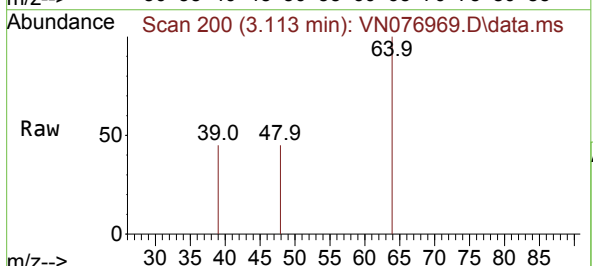
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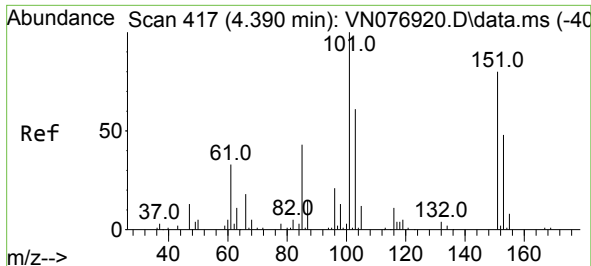
Tgt Ion: 94 Resp: 667
Ion Ratio Lower Upper
94 100
96 54.3 79.0 118.6#



#6
Chloroethane
Concen: 0.279 ug/l
RT: 3.113 min Scan# 200
Delta R.T. -0.018 min
Lab File: VN076969.D
Acq: 13 Mar 2023 18:09

Tgt Ion: 64 Resp: 546
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#

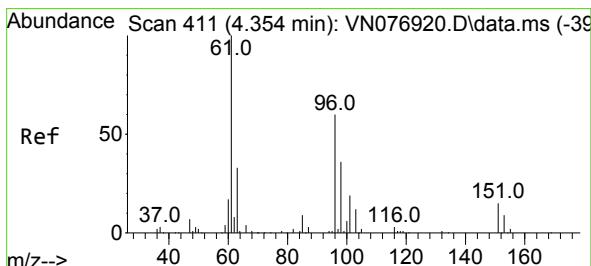
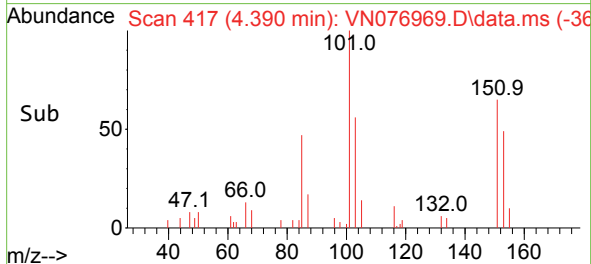
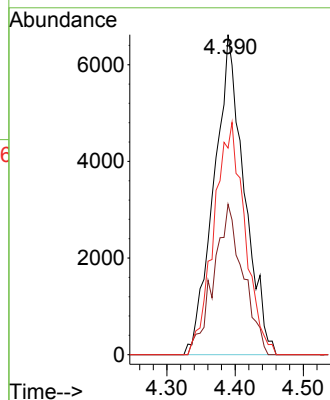
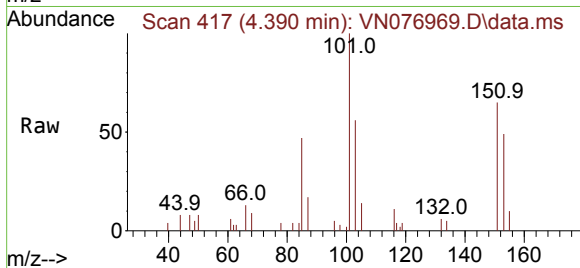




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 4.990 ug/l
 RT: 4.390 min Scan# 417
 Delta R.T. -0.000 min
 Lab File: VN076969.D
 Acq: 13 Mar 2023 18:09

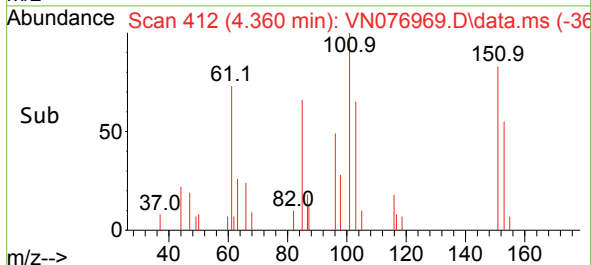
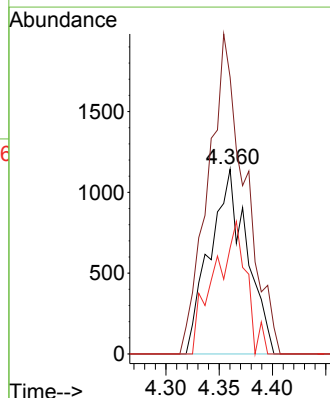
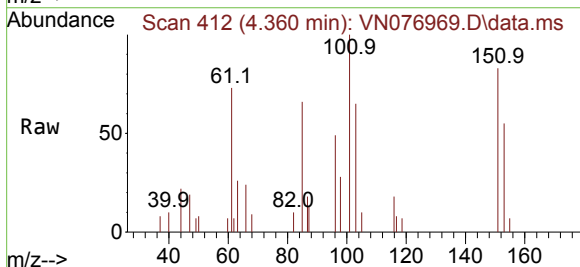
Instrument :
 MSVOA_N
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 RE105D1-20230309

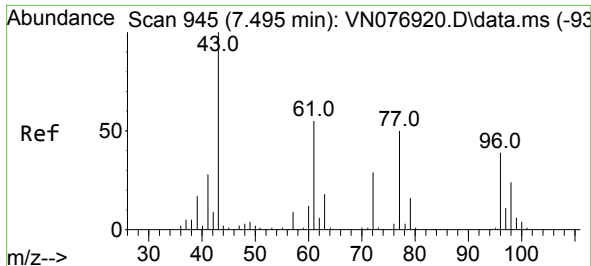
Tgt Ion:	101	Resp:	20415
Ion	Ratio	Lower	Upper
101	100		
85	45.7	35.2	52.8
151	74.3	58.9	88.3



#12
 1,1-Dichloroethene
 Concen: 0.736 ug/l
 RT: 4.360 min Scan# 412
 Delta R.T. 0.006 min
 Lab File: VN076969.D
 Acq: 13 Mar 2023 18:09

Tgt Ion:	96	Resp:	2774
Ion	Ratio	Lower	Upper
96	100		
61	149.7	121.3	181.9
98	57.4	52.1	78.1

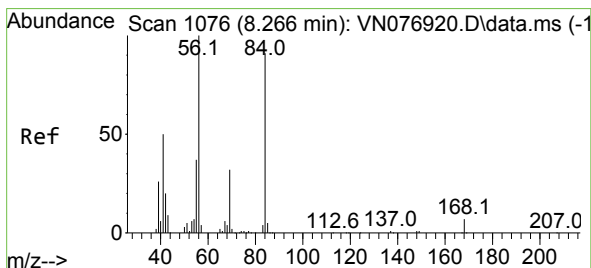
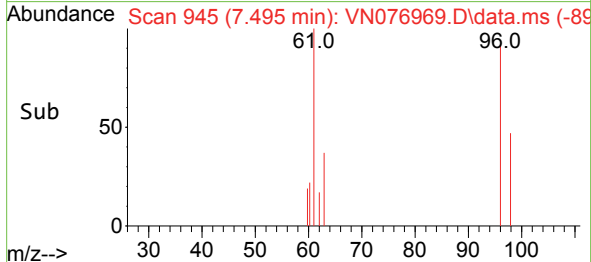
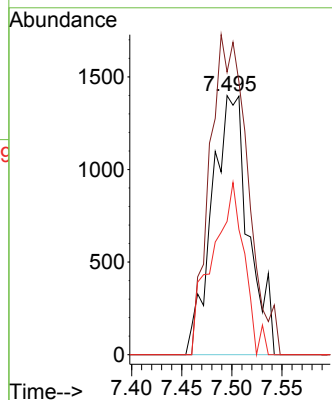
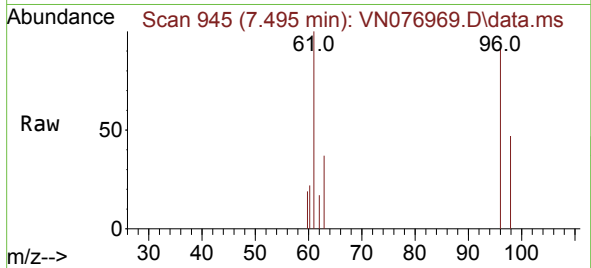




#27
 cis-1,2-Dichloroethene
 Concen: 0.770 ug/l
 RT: 7.495 min Scan# 945
 Delta R.T. 0.000 min
 Lab File: VN076969.D
 Acq: 13 Mar 2023 18:09

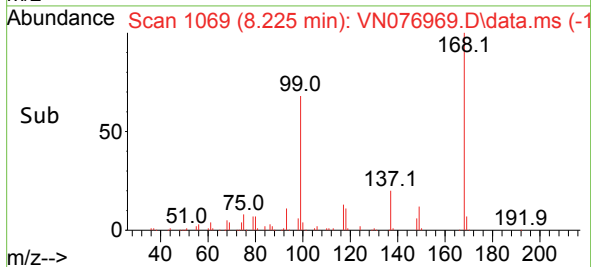
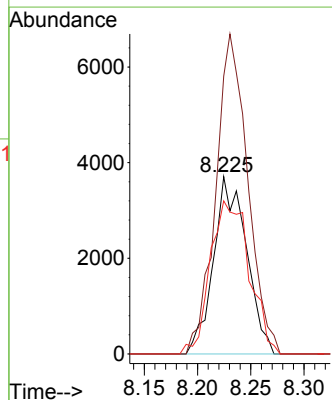
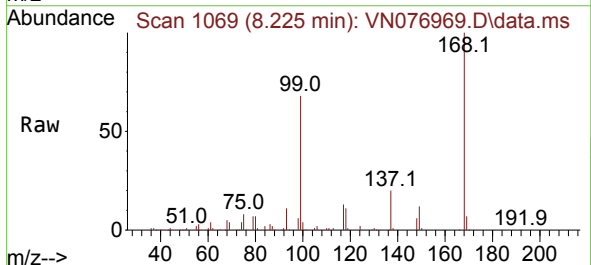
Instrument :
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 ClientSampleId :
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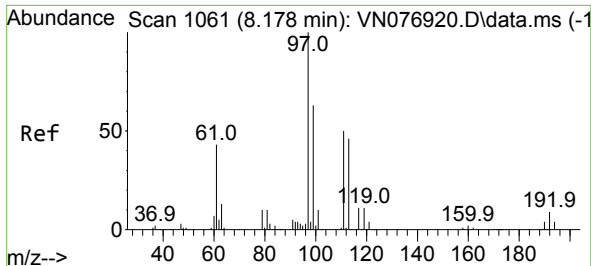
Tgt Ion: 96	Resp:	3552	
Ion	Ratio	Lower	Upper
96	100		
61	128.1	0.0	255.6
98	58.2	0.0	127.4



#31
 Cyclohexane
 Concen: 1.091 ug/l
 RT: 8.225 min Scan# 1069
 Delta R.T. -0.041 min
 Lab File: VN076969.D
 Acq: 13 Mar 2023 18:09

Tgt Ion: 56	Resp:	7965	
Ion	Ratio	Lower	Upper
56	100		
69	156.7	27.0	40.6#
84	86.4	82.9	124.3





#32

1,1,1-Trichloroethane

Concen: 0.523 ug/l

RT: 8.183 min Scan# 1061

Delta R.T. 0.005 min

Lab File: VN076969.D

Acq: 13 Mar 2023 18:09

Instrument :

MSVOA_N

ClientSampleId :

RE105D1-20230309

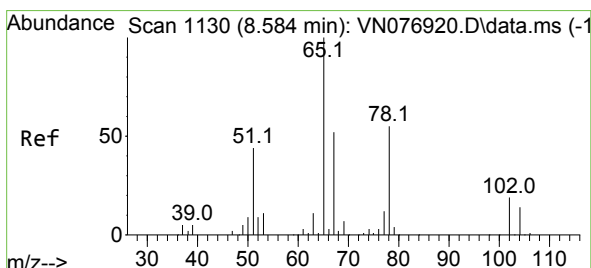
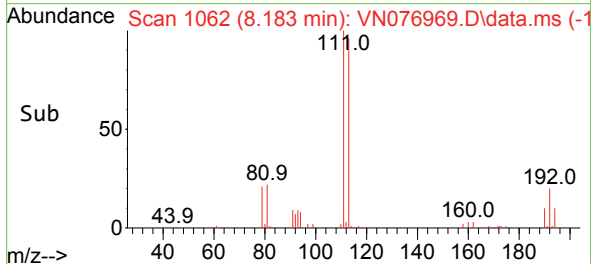
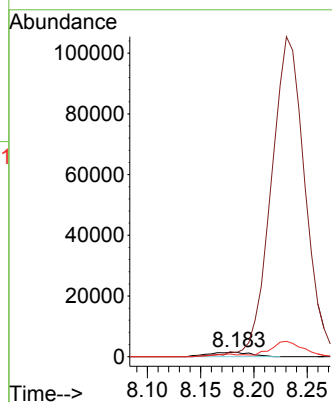
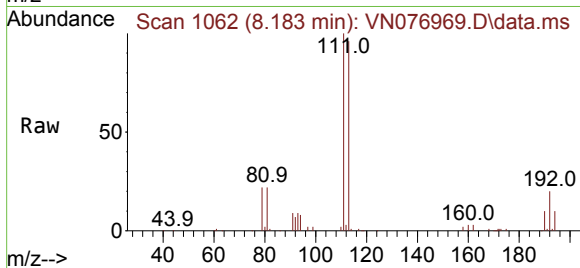
Tgt Ion: 97 Resp: 4030

Ion Ratio Lower Upper

97 100

99 0.0 51.2 76.8#

61 43.3 35.7 53.5



#33

1,2-Dichloroethane-d4

Concen: 48.108 ug/l

RT: 8.583 min Scan# 1130

Delta R.T. -0.001 min

Lab File: VN076969.D

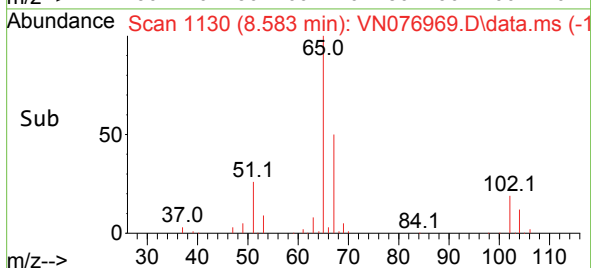
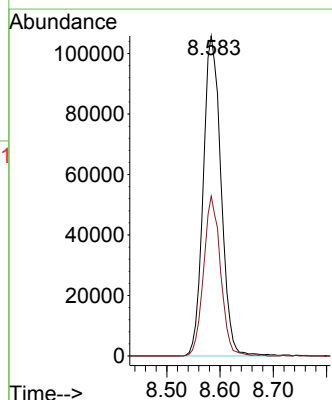
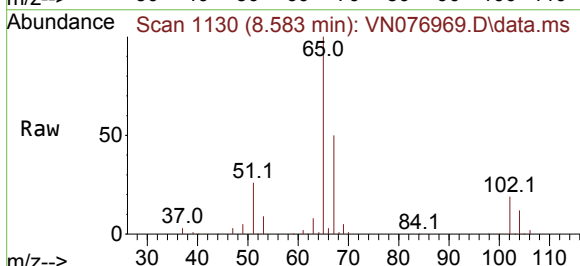
Acq: 13 Mar 2023 18:09

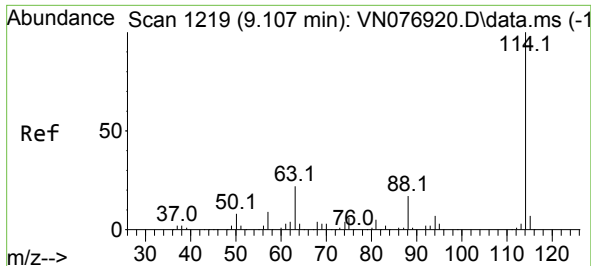
Tgt Ion: 65 Resp: 244896

Ion Ratio Lower Upper

65 100

67 47.5 0.0 107.2

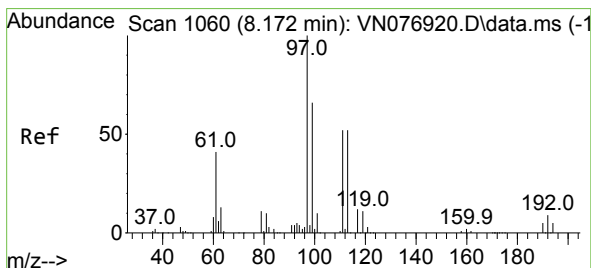
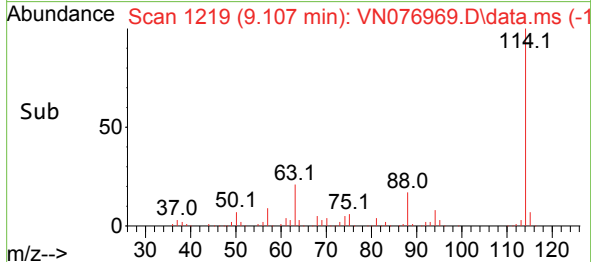
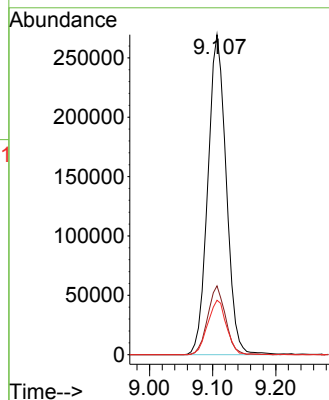
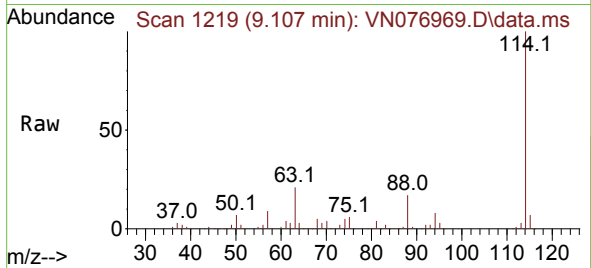




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN076969.D
Acq: 13 Mar 2023 18:09

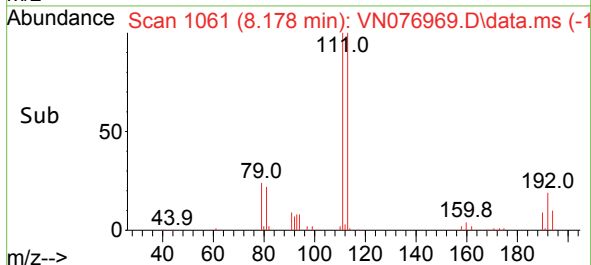
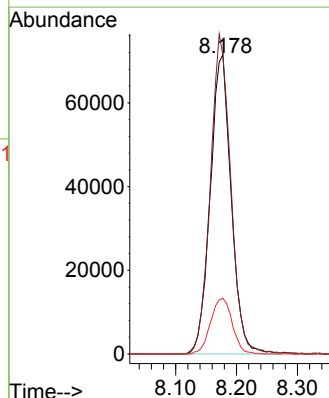
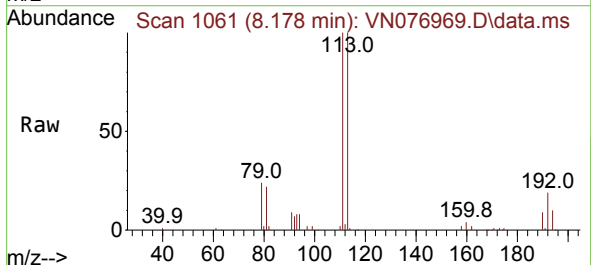
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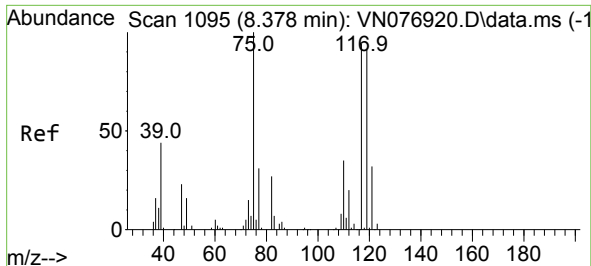
Tgt Ion:114 Resp: 544821
Ion Ratio Lower Upper
114 100
63 21.5 0.0 36.6
88 17.0 0.0 28.6



#35
Dibromofluoromethane
Concen: 47.046 ug/l
RT: 8.178 min Scan# 1061
Delta R.T. 0.006 min
Lab File: VN076969.D
Acq: 13 Mar 2023 18:09

Tgt Ion:113 Resp: 170828
Ion Ratio Lower Upper
113 100
111 104.1 81.8 122.8
192 19.2 13.9 20.9

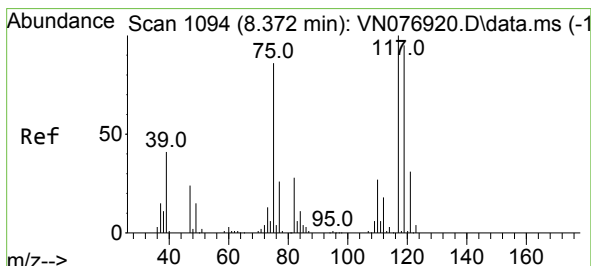
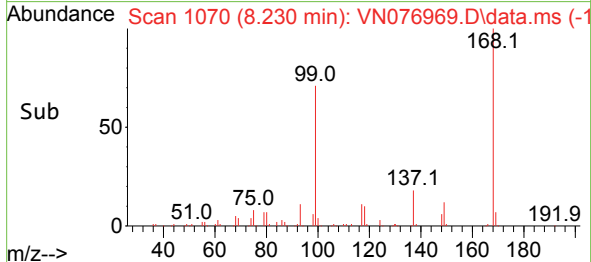
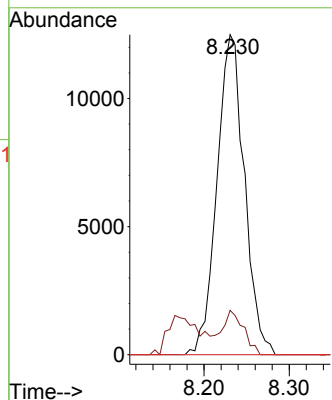
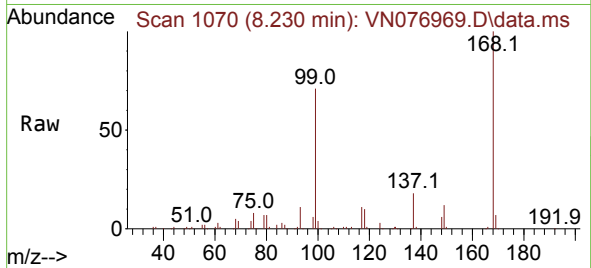




#36
1,1-Dichloropropene
Concen: 4.975 ug/l
RT: 8.230 min Scan# 1095
Delta R.T. -0.148 min
Lab File: VN076969.D
Acq: 13 Mar 2023 18:09

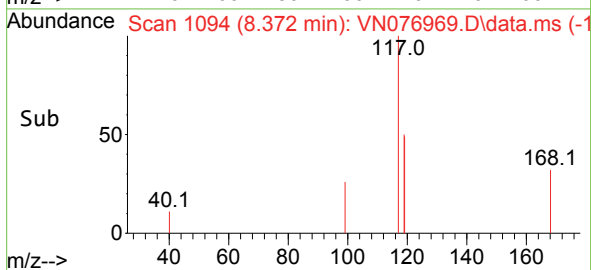
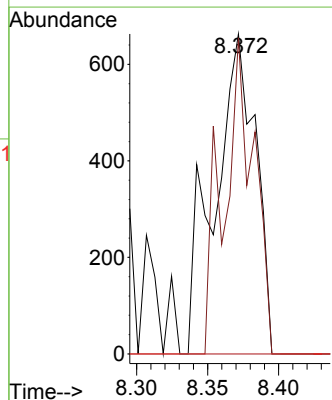
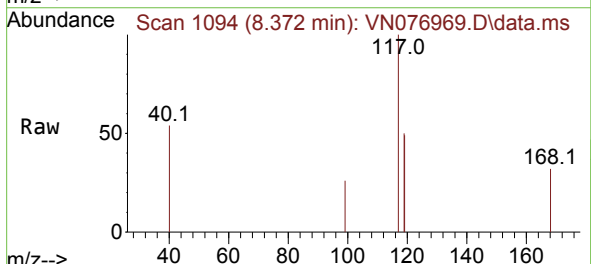
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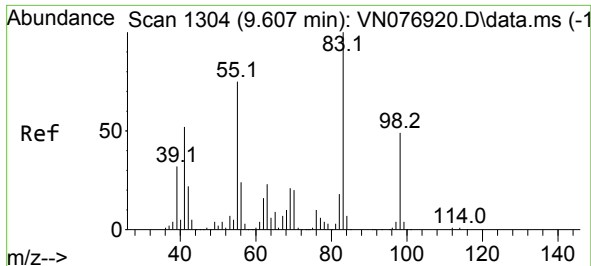
Tgt Ion: 75 Resp: 27937
Ion Ratio Lower Upper
75 100
110 10.4 18.9 56.9#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 0.202 ug/l
RT: 8.372 min Scan# 1094
Delta R.T. -0.000 min
Lab File: VN076969.D
Acq: 13 Mar 2023 18:09

Tgt Ion: 117 Resp: 1330
Ion Ratio Lower Upper
117 100
119 98.8 76.9 115.3
121 0.0 23.2 34.8#





#39

Methylcyclohexane

Concen: 0.387 ug/l

RT: 9.354 min Scan# 1

Delta R.T. -0.253 min

Lab File: VN076969.D

Acq: 13 Mar 2023 18:09

Instrument :

MSVOA_N

ClientSampleId :

RE105D1-20230309

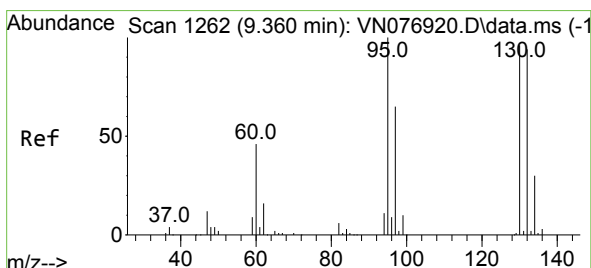
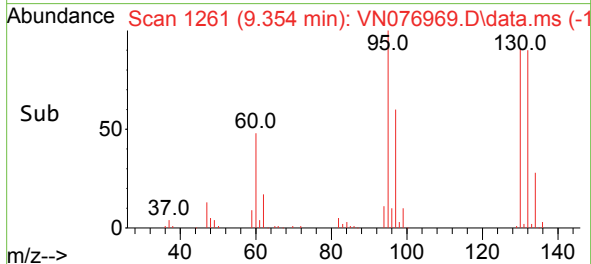
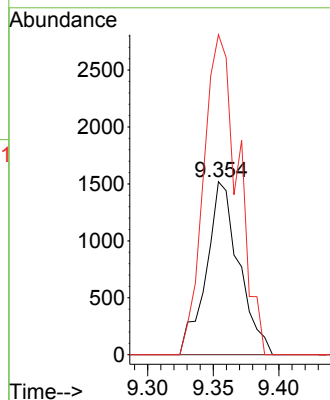
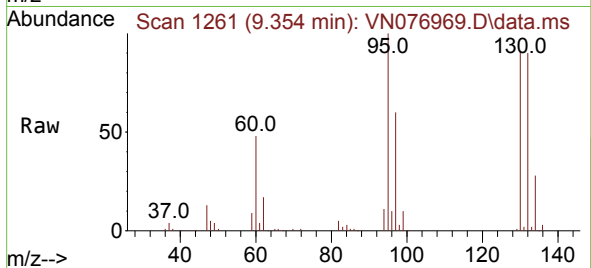
Tgt Ion: 83 Resp: 2635

Ion Ratio Lower Upper

83 100

55 0.0 47.0 70.4#

98 185.1 39.4 59.0#



#44

Trichloroethene

Concen: 45.693 ug/l

RT: 9.360 min Scan# 1262

Delta R.T. -0.000 min

Lab File: VN076969.D

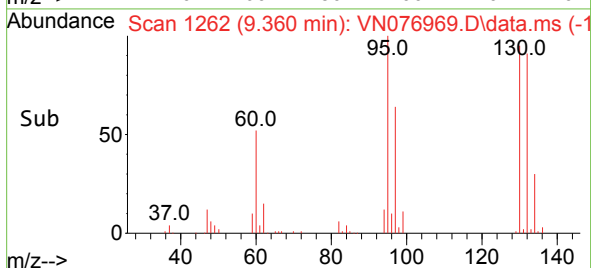
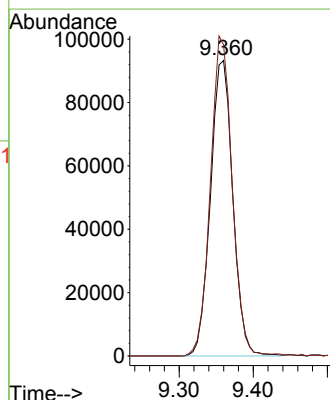
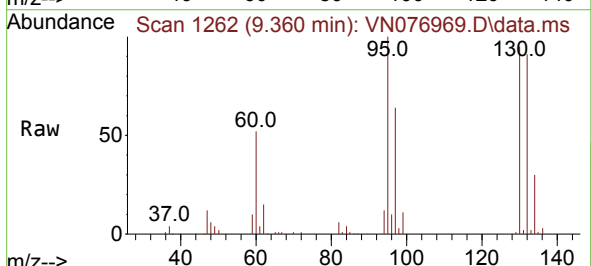
Acq: 13 Mar 2023 18:09

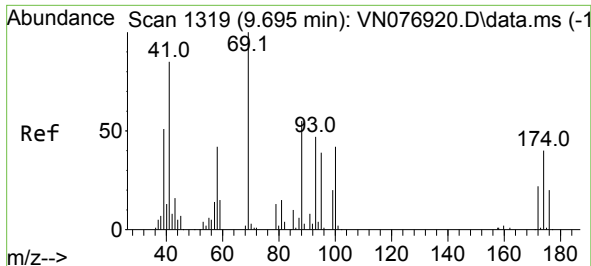
Tgt Ion:130 Resp: 195474

Ion Ratio Lower Upper

130 100

95 105.4 0.0 208.6





#49

1,4-Dioxane

Concen: 13.637 ug/l

RT: 9.701 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN076969.D

Acq: 13 Mar 2023 18:09

Instrument :

MSVOA_N

ClientSampleId :

RE105D1-20230309

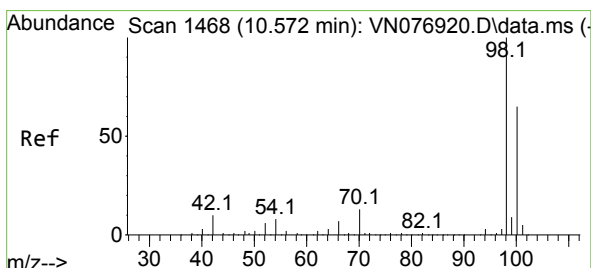
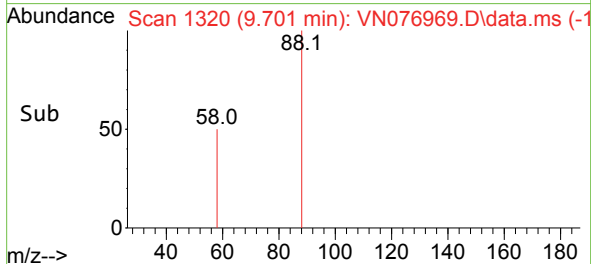
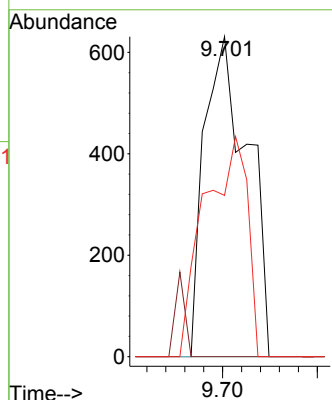
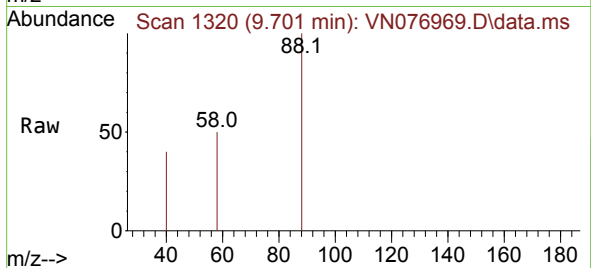
Tgt Ion: 88 Resp: 1003

Ion Ratio Lower Upper

88 100

43 0.0 15.3 22.9#

58 67.8 47.6 71.4



#50

Toluene-d8

Concen: 48.096 ug/l

RT: 10.572 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VN076969.D

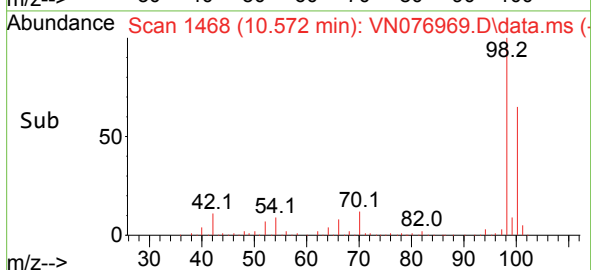
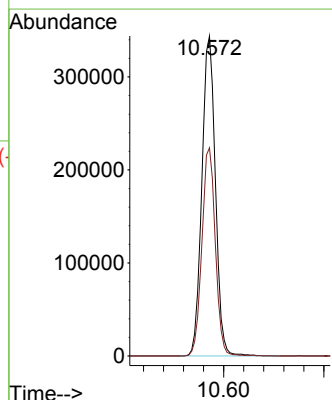
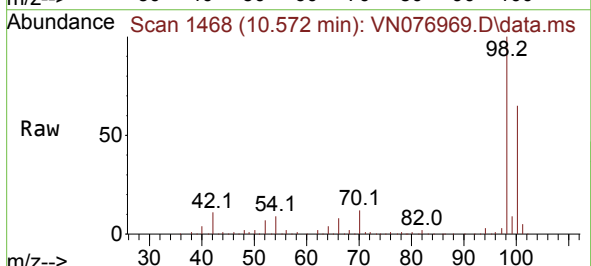
Acq: 13 Mar 2023 18:09

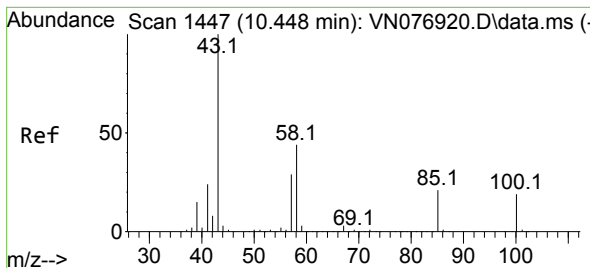
Tgt Ion: 98 Resp: 643635

Ion Ratio Lower Upper

98 100

100 64.5 52.8 79.2

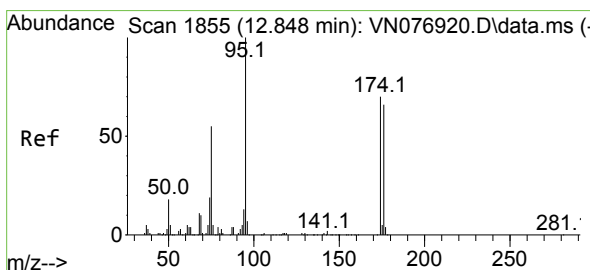
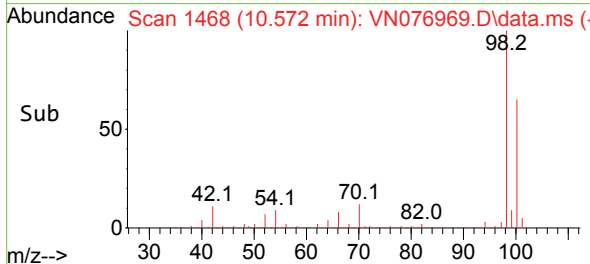
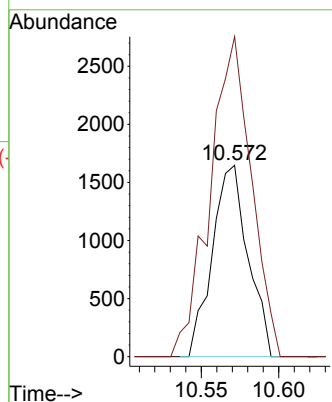
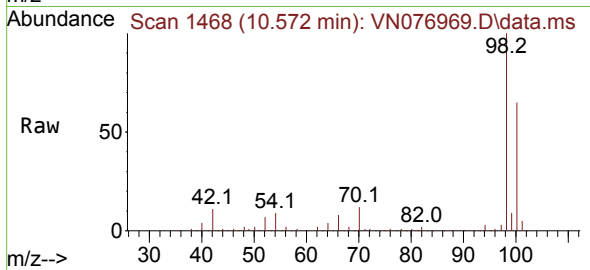




#51
4-Methyl-2-Pentanone
Concen: 0.555 ug/l
RT: 10.572 min Scan# 1447
Delta R.T. 0.123 min
Lab File: VN076969.D
Acq: 13 Mar 2023 18:09

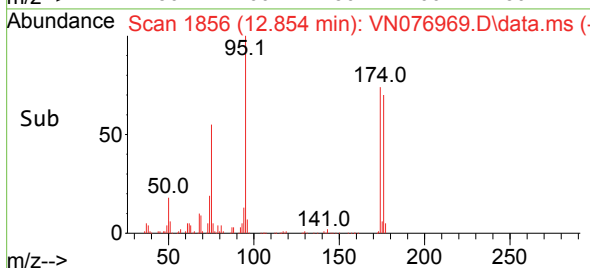
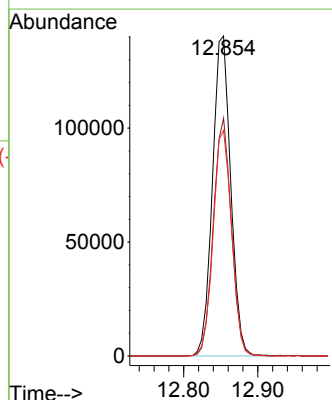
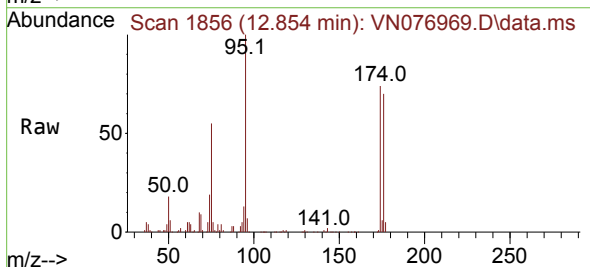
Instrument :
MSVOA_N
ClientSampleId :
RE105D1-20230309

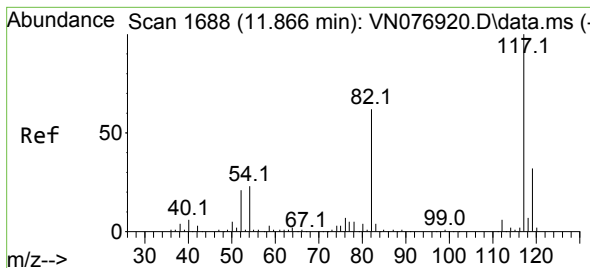
Tgt Ion: 43 Resp: 2644
Ion Ratio Lower Upper
43 100
58 193.2 37.4 56.0#



#62
4-Bromofluorobenzene
Concen: 49.060 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.006 min
Lab File: VN076969.D
Acq: 13 Mar 2023 18:09

Tgt Ion: 95 Resp: 240136
Ion Ratio Lower Upper
95 100
174 73.5 0.0 162.4
176 71.2 0.0 157.4

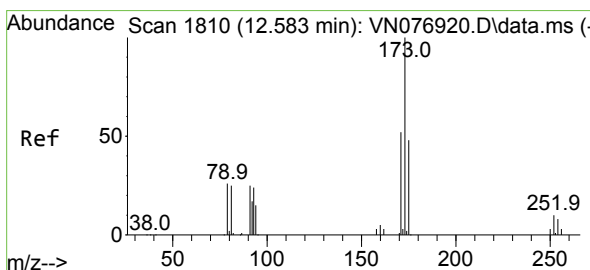
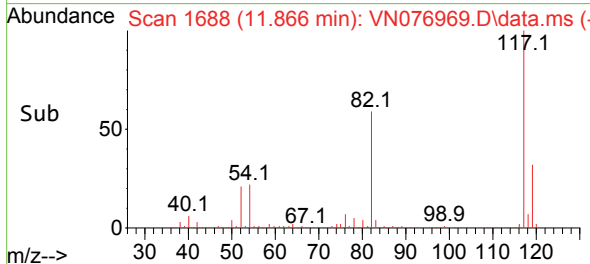
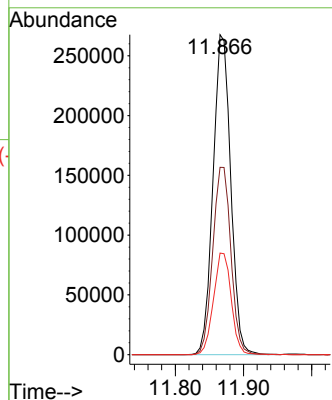
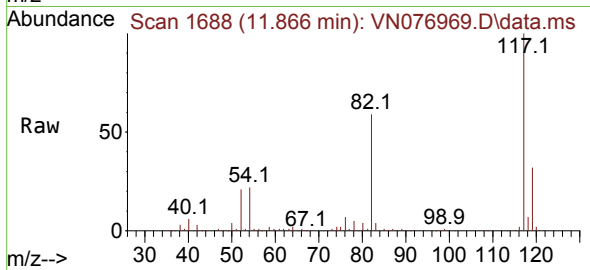




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN076969.D
Acq: 13 Mar 2023 18:09

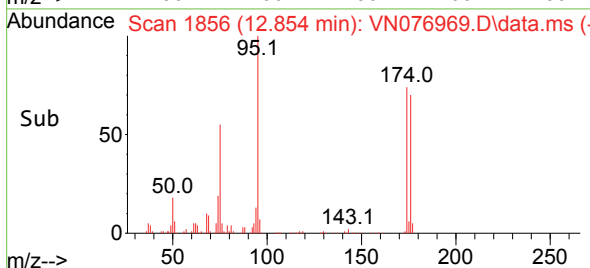
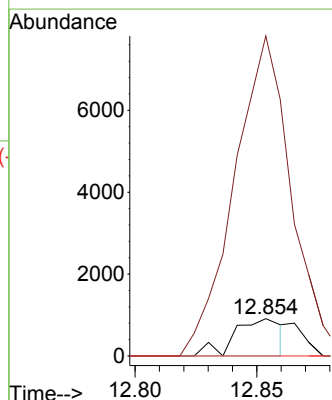
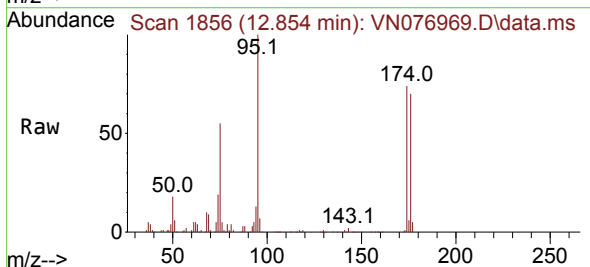
Instrument :
MSVOA_N
ClientSampleId :
RE105D1-20230309

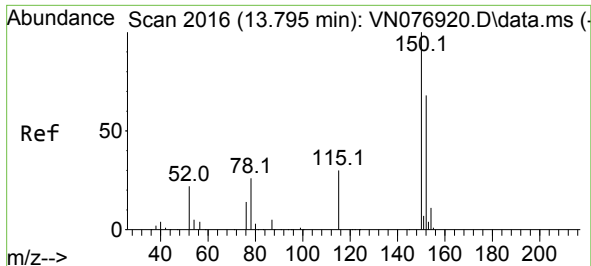
Tgt Ion:117 Resp: 484085
Ion Ratio Lower Upper
117 100
82 58.5 43.5 65.3
119 31.7 25.5 38.3



#71
Bromoform
Concen: 0.405 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. 0.271 min
Lab File: VN076969.D
Acq: 13 Mar 2023 18:09

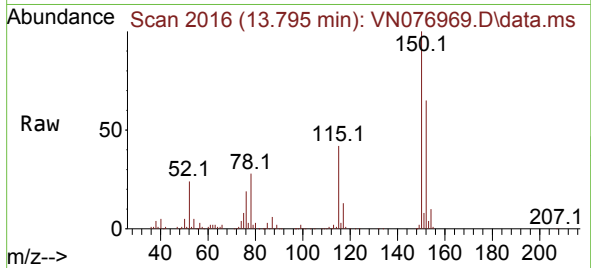
Tgt Ion:173 Resp: 1240
Ion Ratio Lower Upper
173 100
175 847.9 24.9 74.6#
254 0.0 0.0 0.0



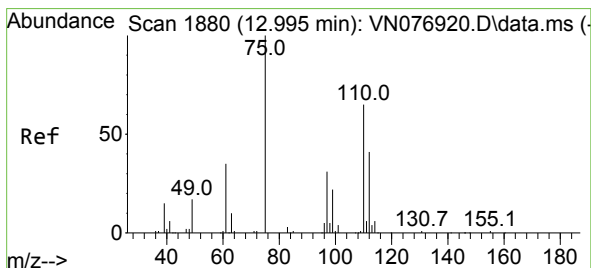
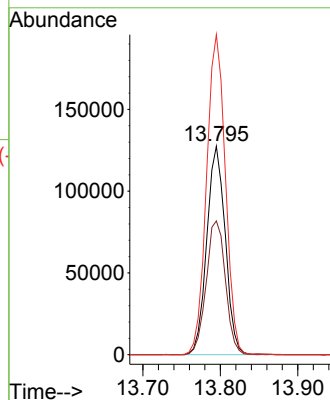
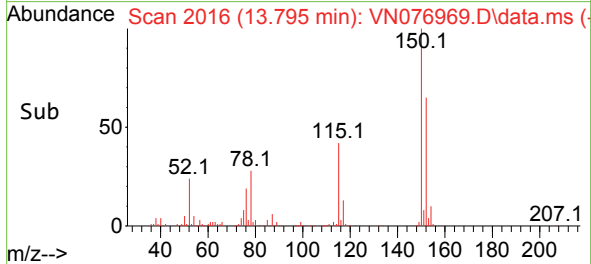


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.795 min Scan# 2016
 Delta R.T. -0.000 min
 Lab File: VN076969.D
 Acq: 13 Mar 2023 18:09

Instrument :
 MSVOA_N
 ClientSampleId :
 RE105D1-20230309

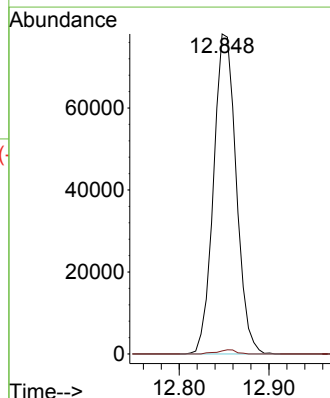
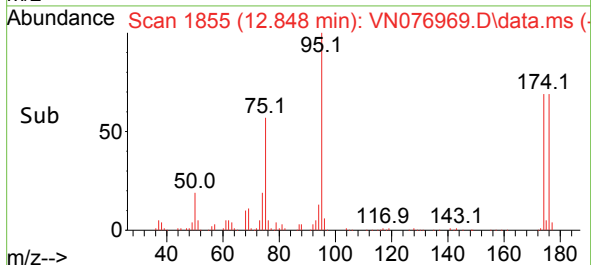
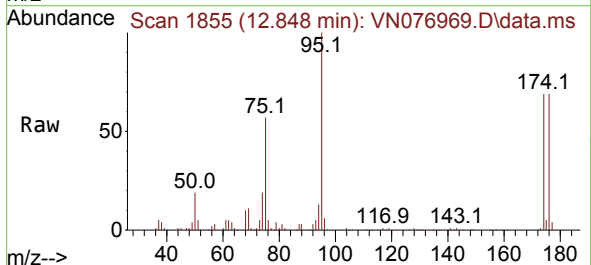


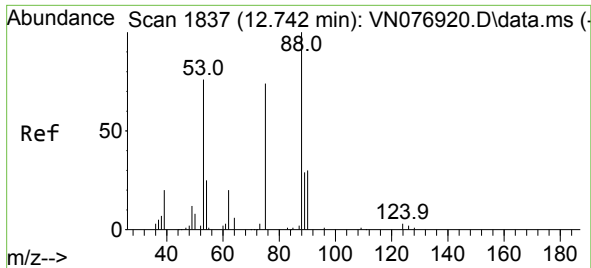
Tgt Ion:152 Resp: 211545
 Ion Ratio Lower Upper
 152 100
 115 66.6 30.3 90.9
 150 156.1 0.0 353.6



#76
 1,2,3-Trichloropropane
 Concen: 26.696 ug/l
 RT: 12.848 min Scan# 1855
 Delta R.T. -0.147 min
 Lab File: VN076969.D
 Acq: 13 Mar 2023 18:09

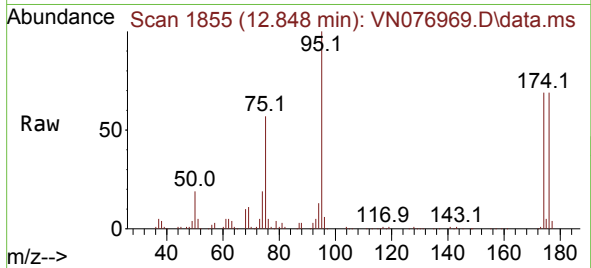
Tgt Ion: 75 Resp: 136919
 Ion Ratio Lower Upper
 75 100
 77 1.1 93.8 281.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 87.203 ug/l
 RT: 12.848 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN076969.D
 Acq: 13 Mar 2023 18:09

Instrument :
 MSVOA_N
 ClientSampleId :
 RE105D1-20230309



Tgt Ion: 75 Resp: 136919
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.0#
 89 0.0 39.5 59.3#

